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IMAGERY  
ANALYSIS  
DIVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT



KHERSON PETROLEUM REFINERY  
KHERSON, USSR

Declass Review by NIMA/DOD



25X

CIA/PIR 65044

DATE Nov. 1965

COPY

PAGES 9

25X

GROUP 1  
Excluded from automatic  
downgrading and declassification

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KHERSON PETROLEUM REFINERY  
KHERSON, USSR

The Kherson Petroleum Refinery is located in the outskirts of the northwestern sector of the city. The geographic coordinates of the north-east quadrant of the refinery area are: 46 40N - 32 35E, Figures 1 and 2. The refinery area, the limits of which are delineated by fencing, consists of approximately 160 acres. A rail spur with two subsidiary spurs enters the eastern side of the refinery area. Transloading facilities parallel the main spur line.

X1 Small scale photographic coverage of the refinery spans the time period from [redacted], see Figures 3-6. The facilities in Area D, Figure 5 were under construction in [redacted] Figure 3, and appeared to be complete by [redacted] Figure 4. Photography of [redacted] indicates that three, possibly four, medium to large sized POL tanks were under construction in the northeast corner of Area C. 25X 25X

The following descriptions of the various sections of the refinery are keyed to the overlay, Figure 5. The scale of the available photography does not permit the certain identification of processing units by type.

Area A: This area contains three forced draft cooling towers, rail spurs, warehousing, and probable shop and maintenance facilities. No. 1 is a probable steam/power plant; No. 2 possibly either a settling pond or an open storage pond for residues, asphalt or crude oil; No. 3 is a probable water treatment plant; No. 4 is a small probable processing unit, purpose unknown; and No. 5 consists of rail spurs with probable loading sheds and several small unidentified buildings. Two large buried tanks are located just east of the No. 5.

Area B: This area contains the principal processing equipment of the Kherson Refinery. The facilities located at No. 1 include a possible rail spur extension under construction, two long, parallel structures, a small rectangular block of probable processing equipment, a number of small tanks and several small buildings. The general arrangement of the facilities suggests a possible solvent extraction plant, or a de-waxing unit associated with a small possible lube oil operation. The processing equipment at No. 2 appears to be one, possibly two, cracking units. The equipment immediately south of No. 3 appears to be a pair of pipe stills. There are two buildings and four apparent distillation columns at No. 3 as well as two larger

**TOP SECRET**

PIR - 65044

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cylindrical units which may be a combination atmospheric-vacuum distillation unit. Two large structures and one or two small unidentified probable processing units are located at No. 4. Several small buildings/tanks are located in an apparently separately fenced area at No. 5.

Area C: This area contains the principal tankage in the refinery. There are eight large probable crude storage tanks. Seven medium and twelve small size probable product storage tanks. Three, possibly four, large POL tanks are under construction in this area.

Area D: This relatively new addition to the refinery contains 3 large, identical buildings, No. 2, two of which have three vertical tanks or columns each, located very close to the west ends of the buildings. An apparent pipeline scar connects these facilities with the north end of the crude oil storage tank farm. A boiler house or furnace building and two or three small structures are located at No. 1. The facilities would seem to be related to the processing of either crude oil or possibly residues from other refining processes. Two probable large open reservoirs are being excavated immediately west of Area D; these are visible on photography of  Figure 6, and their presence suggests the possibility that the facilities in Area D, along with the reservoirs, may be an elaborate water treatment plant or the reservoirs will be used to store asphalt or crude oil.

All measurements have been made by the CIA/IAD/IB analysts. They should be considered as approximate and must not be taken as official NPIC mensuration data compiled by the Technical Intelligence Division, NPIC.

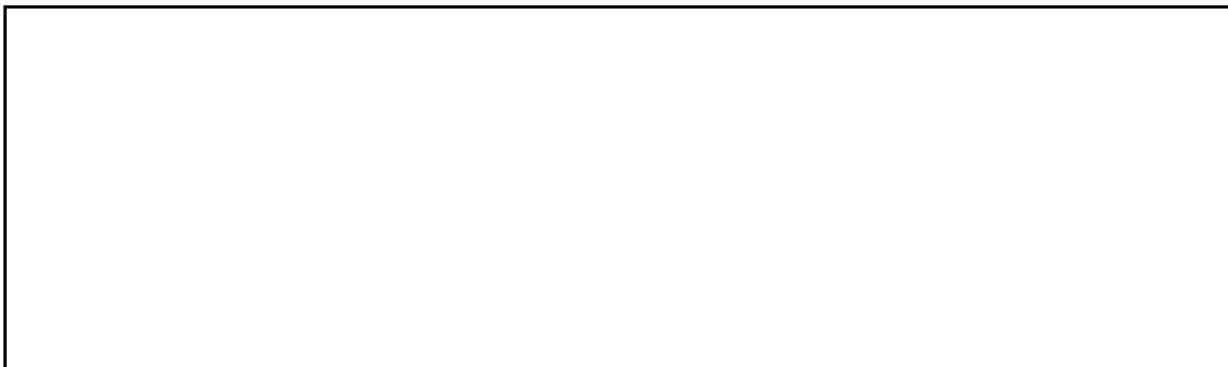
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PIR - 65044

REFERENCES



MAPS OR CHARTS

ACIC, US Air Target Chart, Series 200, Sheet 0250-9HL,  
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REQUIREMENT

CIA C-RR5-82,522

CIA/IAD PROJECT

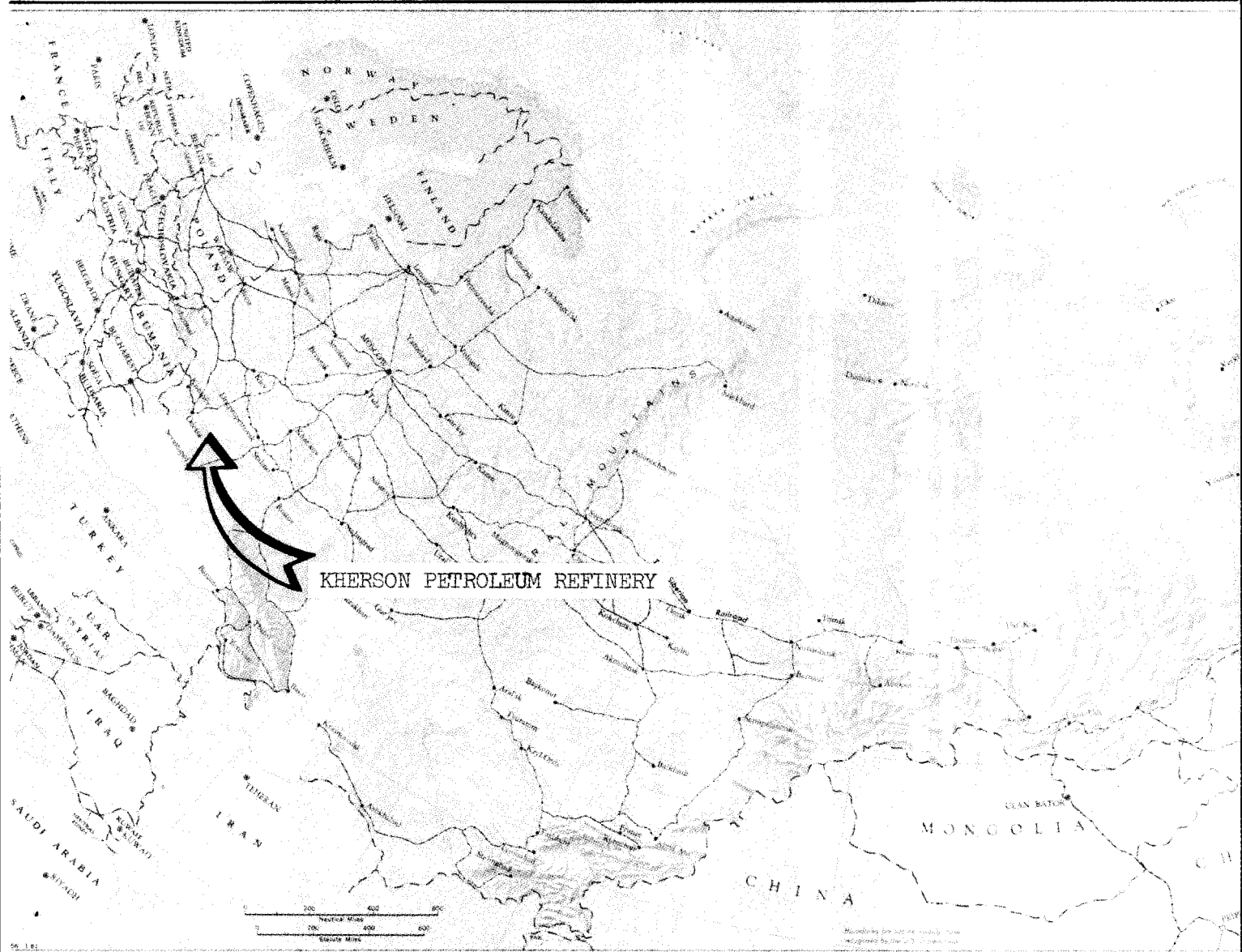
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PREPARED BY - Chemical and Scientific Section,  
Industrial Branch, IAD

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FIGURE 3

KHERSON PETROLEUM REFINERY  
KHERSON, USSR  
46 40N - 32 35E

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FIGURE 4

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KHERSON PETROLEUM REFINERY  
KHERSON, USSR  
46 40N - 32 35E

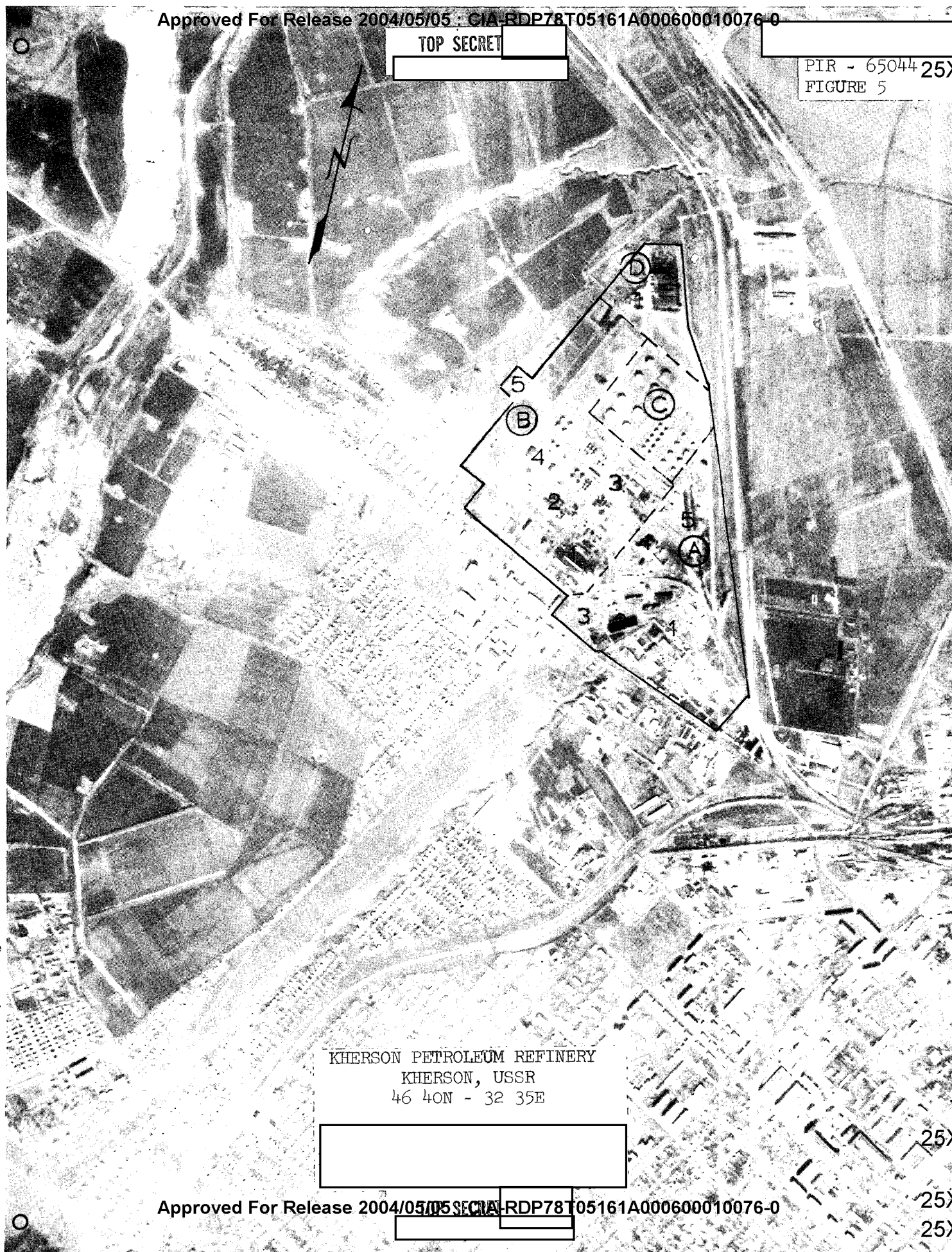
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FIGURE 5



KHERSON PETROLEUM REFINERY  
KHERSON, USSR  
46 40N - 32 35E

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Figure 6

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PROBABLE RESERVOIRS U/C

KHERSON, USSR  
46 40N - 32 35E

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